

February 8, 1963

FEB 12 1963

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Dear Josh,

The manuscript writing is in the last spurt now.
I expect I will be able to send it to you in a month.

The repeated experiments on the production of anti-phase-1 serum by immunization of rabbit with phase-2 stable clone gave the negative results: only phase-2 but not phase-1 antibody was demonstrated. (The system is: anti *S. abortus-equi* SL23 a:enx serum was adsorbed by a transductional clone gp:enx obtained from *S. dublin* --X SL23, and titrated by a:enx clone originated from SL23 by spontaneous phase variation.) I suppose the cause of the wrong result I obtained in the first experiment is that I used older cell suspension for the titration. The antigenic substance(s) which is covered by surface antigen in normal cells might have been exposed to the surface of the cells by destruction of some normal cell surface substance(s) during the storage in formalinized saline. Therefore, I would like to withdraw the previous conclusion (on which I have not published yet in any form) and to continue more careful studies for the final conclusion. (The possibility of the production of small amount of phase-1 flagellin by phase-2 cell is not excluded yet.). So, I will discuss the subject in our review article, but will not draw conclusion on the point. Experiment on the antigenicity of phenol treated cells is OK.

The experiments on the difference of the lytic response to Duponol or lysozyme between two phases are also negative thru wide range of concentrations of the agents, on both two phase clones used at Stanford and the newly isolated ones. I will discontinue this experiment until some suggestive result is obtained in your or my laboratory in future.

I was invited to give a lecture in the XIth International Congress of Genetics in coming September, at the symposium on immunogenetics. I guess you have kindly nominated me to Dr. Owen, the chairman of the symposium. My financial situation at present is not certain yet whether I will be able to attend the congress or not: as a possibility, I have applied a travel grant to NIH of your country. If it is worked out, I expect we will be able to meet this year in Europe.

I imagine you were interested in seeing the special issue on 'Brain chemistry' of a Japanese journal "蛋白質・核酸・酵素" (Protein·Nucleic Acid·Enzyme), which I sent you. If you need any explanation on any part of the journal, please write me just page number.

Best wishes to 望子々々

Sincerely yours,


Tetsuo Iino